

PEROXIDE CURABLE COMPOUNDS BASED ON
BUTYL-LIKE POLYMER WITHOUT CONJUGATED
ALIPHATIC DIENES IN ITS COMPOSITION

ABSTRACT OF THE DISCLOSURE

The present invention relates to a shaped article containing at least one peroxide curable compound containing a butyl-like polymer(s) without any conjugated aliphatic diene in its composition, said polymer containing less than 15 wt.% of solid matter insoluble in boiling cyclohexane under reflux for 60 min. The present invention also relates to a sealing material and a medical device containing at least one peroxide-curable compound containing a butyl-like polymer containing less than 15 wt.% of solid matter insoluble in boiling cyclohexane under reflux for 60 min. Further, the present invention relates to a process for producing a butyl-like polymer having no conjugated aliphatic diene in its composition and containing less than 15 wt.% of solid matter insoluble in boiling cyclohexane under reflux for 60 min. In addition, the present invention relates to a process the manufacturing of the inventive compound wherein the elastomeric polymer is mixed with at least one filler and at least one peroxide curing system in a mixing means.